

# COMBINATION THERMOSTAT EC016FR



- A CURRENT SWITCH
- B SIGNAL LIGHT
- C ADJUSTING WHEEL FOR HEATING
- D SIGNAL LIGHT

Ensto's EC016FR thermostat is a so-called combination thermostat. It controls heating based on the room temperature or floor sensor temperature, or both.

**!** It takes time to notice changes in room temperature, because the better an insulator the floor material is, the more slowly the heat is released into the room. Let the changes take effect for several hours before making new adjustments.

**!** The thermostat is able to interpret a rapid drop in room temperature as ventilation, turning off the heating function for 15 minutes. After that, the thermostat will restore the heating function in accordance with the settings.

**!** The EC016FR thermostat can be used as a component in the Ensto Smart home control system. In this case, adjusting screw (F) under the adjusting wheel is set to the Smart position. Temperature adjustments and control can then be performed using the Ensto Smart system.

The heating is turned on using the current switch (A). Signal light (B) on the thermostat will show either a green or red light, and signal light (D) a blue one.

- The green light (signal light B) switches on when the thermostat is on and the room temperature equals the thermostat setting.

- The red light (signal light B) switches on when the room is being heated.
- The blue light (signal light D) switches on when the temperature drops and the temperature raising function is active.



- E ADJUSTING SCREW
- F ADJUSTING SCREW

Removing the adjusting wheel (C) reveals two adjusting screws used for selecting the heating control method.

**Adjusting screw E** on the right is used for selecting the thermostat's operating method.

**In the Floor position**, the thermostat controls heating based on the floor sensor temperature. The required temperature level is set using the scale on the adjusting wheel (C). The numerical values on the scale do not equal the temperature of the room or floor sensor, but indicates the temperature level.

**In the Room position**, the thermostat controls heating based on the room temperature. The required temperature level is set using the scale on the adjusting wheel (C).

**In the Intermediate position**, the thermostat controls heating based on both room temperature and floor temperature. For the combination function, adjusting screw (E) is used for setting the maximum floor temperature, and the

required room temperature is set using the scale on the adjusting wheel (C). Most parquet manufacturers recommend a maximum temperature of ca. 27 °C for the floor surface, to prevent the floor heating from drying out the wood parquet. The temperature of the floor surface is normally several degrees lower than that of the sensor installed in the floor. If the floor temperature exceeds the setting, the blue signal light will flash four times a minute as a warning and the floor heating will be turned off until the floor temperature has decreased to the set level.

**Adjusting screw F** is used to set the temporary temperature drop and raising function, which are operated by a separate home/away switch, usually located near the entrance door. This switch controls all the floor thermostats connected to it. At a maximum, the temperature can be temporarily dropped by 15 °C and raised by 5 °C based on the setting on the adjusting wheel (C).

